United States Environmental Protection Agency
EPA New England
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April 12, 2005

To: J. Kilborn, EPA
H. Inglis, EPA
R. Howell, EPA (w/o attachments)
D. Moore, USACE
K.C. Mitkevicius, USACE
S. Steenstrup, MA DEP (2 copies)
R. Bell, Esquire, MA DEP
S. Peterson, CT DEP
A. Silfer, GE
J. Novotny, GE
J.R. Bieke, Esquire, Shea & Gardner
S. Messur, BBL
D. Young, MA EOEA
K. Munney, US Fish and Wildlife
D. Mauro, META Environmental, Inc.
R. Nasman, The Berkshire Gas Company
Mayor Ruberto, City of Pittsfield
Commissioner of Public Works and Utilities, City of Pittsfield
Public Information Repositories

RE: March 2005 Monthly Report
1.5 Mile Reach Removal Action
GE-Pittsfield/Housatonic River Site

Enclosed please find the March 2005 Monthly Report for the 1.5 Mile Reach Removal Action. In accordance with the Consent Decree for the GE-Pittsfield/Housatonic River Site, the United States Environmental Protection Agency (EPA) is performing the 1.5 Mile Reach Removal Action, with General Electric funding a portion of the project through a cost sharing formula.

The EPA has entered into an agreement with the United States Army Corps of Engineers (USACE) to assist in the design and construction of the Removal Action. The USACE subsequently awarded a design-construct contract to Weston Solutions, Inc. (Weston). Weston, with several subcontractors, will be performing the design and construction activities for the 1.5 Mile Reach Removal Action.

If you have any questions, please contact me at (413) 236-0969.
Sincerely,

Dean Tagliaferro

Dean Tagliaferro
1.5 Mile Reach Removal Action Project Manager

1. Overview

During March 2005, the Environmental Protection Agency (EPA), the United States Army Corps of Engineers (USACE), the USACE's contractor, Weston Solutions, Inc., and Weston's subcontractors continued remediation activities on the 1.5 Mile Reach Removal Action. The primary work included relocation of the water treatment system (WTS) and support area to Fred Garner Park. Also, the welding and installation of the 8-inch force main for the WTS was completed. The construction of the temporary access roads and support areas on Parcels I7-3-5, I7-3-6, and I7-3-7 was completed. The installation of the centerline sheetpile wall for Cells 25 and 26 was initiated. In addition, the non-TSCA material previously removed from the WTS modutank was transported to an approved off-site facility.

2. Chronological description of tasks performed

Refer to Figure 1 (2 maps) for an orientation of the excavation cells and their respective locations.

By the end of February 2005, activities associated with the relocation and set up of the water treatment system (WTS) to the Fred Garner Park were underway. During the first week of March the relocation and set up of the WTS continued. The construction of the WTS modutanks and set up of the WTS piping was completed. The removal of the WTS force main pipe along Phase 2 was completed. The pipe was cut into 20-foot sections and transported to Fred Garner Park.

Other miscellaneous activities during the first week of March included decontamination of the 54-inch pipe restraint bands for proper disposal. Tree clearing and grubbing activities at Fred Garner Park was completed.

During the second week of March, activities associated with the set up of the WTS at the Fred Garner Park continued. The construction of the WTS modutanks was completed and the set up of the WTS electrical components continued. Carbon was installed into the WTS carbon filter vessels. The welding and installation of the 8-inch force main for the WTS was initiated.

Tree clearing and grubbing activities on Parcels I7-3-4, I7-3-5, I7-3-6, and I7-3-7 (the location of the access road and staging/support areas for Phase 3B) was completed. Tree and brush debris was moved to GE Newell Street parking lot for future chipping. Also, an access road was constructed on Parcel I7-3-6 connecting Appleton Avenue to the staging/support area. The road was built by using geotextile filter stone and dense grade/airport mix material. The construction of the staging/support area on Parcels I7-3-4, I7-3-5, I7-3-6, and I7-3-7 was initiated. The staging/support area will be built by installing a layer of geotextile followed by a layer of dense grade/airport mix material.

The construction of an access road and the trailer pad at Fred Garner Park was initiated. The access road and the trailer pad were built by using geotextile and dense grade/airport mix material.

Also, the removal of the security fencing along Caledonia Street was completed. The installation of security fencing in Phase 3B construction areas was initiated.

During the third week of March, activities associated with the set up of the WTS at the Fred Garner Park continued. The set up of the WTS piping, connecting the filter vessels, pumps, chemical injectors and electrical components, continued. The sand filter material was installed into the WTS sand filter vessels. The welding of the 8-inch force main for the WTS was completed and the installation of the force main continued.

The construction of the staging/support area on Parcels I7-3-4, I7-3-5, I7-3-6, and I7-3-7 was completed. The delivery, assembly and testing of the 200-pound crane was completed. The relocation of the sheetpile, the sheetpile driving frame and the sheetpile driving equipment from the GE Lyman Street staging area to the staging/support area on Parcels I7-3-5, I7-3-6, and I7-3-7 was initiated.

Installation of the silt fencing along the top of the bank in Cells 25 was completed.

Other activities during the third week of March included the installation of security fencing along Phase 3B construction areas. The construction of an access road and the trailer pad at Fred Garner Park was completed.

During the fourth week of March, activities associated with the set up of the WTS at the Fred Garner Park continued. The set up of the WTS piping, connecting the filter vessels, pumps, chemical injectors was completed and the installation of the electrical components continued. The installation of the 8-inch force main for the WTS was completed. A dissipater was installed at the effluent of the WTS to the river.

The survey contractors delineated and staked out the centerline of the river channel in Cells 25 and 26 and the installation of the centerline sheetpile wall between Cells 25 and 26 was initiated. The relocation of the sheetpile from the from the GE Lyman Street staging area to the staging/support area on Parcels I7-3-4, I7-3-5, I7-3-6, and I7-3-7 continued.

The demobilization of the old WTS pad on Parcel I8-23-6 continued. The remaining bin blocks crane mats and miscellaneous WTS equipment was moved to the GE Lyman Street staging area and Fred Garner Park.

Other activities during the fourth week of March included the installation of security fencing along Phase 3B construction areas. Also, the decontamination of the WTS force main transfer tank located on staging area on Parcel I8-4-202 was initiated.

During the last week of March, activities associated with the set up of the WTS at the Fred Garner Park continued. The set up of the WTS piping and the electrical components continued. The testing of the 8-inch force main for the WTS by pressurizing the line with air was

completed. A small leak was found at a flange joint during the test that required tightening of the flange joint.

The installation of the centerline sheetpile wall between Cells 25 and 26 continued.

Other activities during the last week of March included the installation of security fencing along Phase 3B construction areas. The demobilization and clean up of the old WTS pad on Parcel I8-23-6 continued. Also, the decontamination of the WTS force main transfer tank located on staging area on Parcel I8-4-202 was completed.

Since there were no sediment excavation activities during the month of March, the water treatment system did not treat any water. Therefore the monthly sampling of the water treatment system for the month of March was not necessary.

Also, due to the minimal remediation activities scheduled for the upcoming winter months, all air and water monitoring and sampling activities were suspended on December 08, 2004 until excavation activities resume in the spring. Since the construction activities associated with the installation of sheetpile were initiated towards the end of March it was decided to resume some of the monitoring activities. Surface water turbidity monitoring was performed on a daily basis starting March 19, 2005; however data was only obtained for Lyman Street Bridge location, the turbidity data logger failed upon re-installation of the turbidity probe at the Pomeroy Avenue location and no data was obtained. On March 23, 2005, surface water sampling for total suspended solids (TSS) and PCBs and the monthly PCB air-monitoring event was performed on March 31, 2005. Air monitoring for particulate matter (PM10 sampling) will be initiated when the excavation activities resume. PCB wipe samples were collected on the decontaminated 54-inch HDPE river diversion pipes at a frequency of one sample for every ten pipe pieces. Two wipe samples on the 54-inch pipe had elevated PCB results. Therefore further decontamination of the pipe will be performed. Also, PCB wipe samples were collected on decontaminated equipment.

In-situ disposal characterization sampling of riverbanks and riverbed in Phase 3B was also completed. Nine riverbank soil composite samples were collected on March 16, 2005 and March 17, 2005 for future offsite disposal. The riverbank samples were collected to be analyzed for PCB and TCLP analysis and physical characteristics. In addition, two riverbed sediment composite samples were collected and analyzed for TCLP Metals on March 17, 2005 in the area of the riverbed where a TCLP exceedance was observed during the past sampling efforts. The initial round of in-situ data revealed four areas on the riverbanks with total PCB results close to or above 50ppm. These areas were re-evaluated and additional PCB sampling was completed on March 24, 2005 and March 25, 2005. Eight additional samples were collected for PCB analysis only.

Geotechnical samples were collected for filter stone type 1 and filter stone type 2. The results of the geotechnical testing are not included in the monthly report but are contained in other submittals and are available upon request.

The material previously removed from the water treatment system modutank was transported from Building 68 stockpile management area to Seneca Meadows Landfill, Waterloo, N.Y. on

March 22, 2005 and March 23, 2005. (See Table 3 for a summary of material transported to the Seneca Meadows Landfill, Waterloo, N.Y. during the month of March 2005).

Conditions and settlement monitoring activities on selected structures and properties in Phase 3B and 3C continued during the month of March.

Vibration monitoring activities were completed in Phase 3B on structures located within 200-foot radius of the activities associated with sheetpile installation. Also, sound monitoring was completed during the sheetpile installation activities.

Stockpile management area activities continued throughout the month of March. Daily inspections, operation, and maintenance activities were performed within Buildings 63, 65, Area 64 (the outside stockpile area) and Building 68.

Traffic control was conducted on Lyman Street, Elm Street, Deming Street and Appleton Avenue during the month of March.

3. Sampling/test results received

Table 4 is a summary of daily turbidity monitoring results. Results for PCB and TSS samples and water column monitoring data collected on March 23, 2005 are presented in Table 5. A summary of the PCB air sampling conducted on March 31, 2005 is provided in Table 6; however the analytical results are not yet available. Table 7 contains PCB data associated with the decontaminated equipment and Table 7a contains PCB results for the 54-inch HDPE river diversion pipes confirmatory wipe samples. The data associated with the Phase 3B riverbank and riverbed in-situ disposal characterization sampling is summarized in Tables 8 and 8a.

4. Diagrams associated with the tasks performed

Figure 1 (2 maps) includes the layout of all excavation cells, the temporary dam, water monitoring locations, air sampling locations, access road locations, excavation load-out locations, staging area locations, fence line location, and the new and the old water treatment system pad locations.

5. Reports received and prepared

Vibration monitoring activities were performed during the month of March; however a report has not yet been received.

6. Photo documentation of activities performed

See attached photos.

7. Brief description of work to be performed in April 2005

- Complete the installation of sheetpile walls for Cell 25.
- Initiate and complete excavation activities in Cell 25.
- Initiate backfilling activities in Cell 25.
- Initiate stockpile management activities at Buildings 63, 65, 68 and Area 64 once the excavation activities resume.
- Potentially initiate the transfer of the non-TSCA materials from the stockpile management areas to approved off-site facility.
- Potentially initiate the transfer of TSCA materials to the OPCAs.
- Initiate daily air and turbidity monitoring once the in-river remediation activities resume.
- Continue PCB air sampling (once a month), water column sampling (twice a month), water treatment system sampling (once a month) and backfill material sampling (as needed) once the in-river remediation activities resume.
- Continue conditions and settlement monitoring activities in Phase 3B.
- Continue vibration monitoring activities in Phase 3B.

8. ATTACHMENTS TO THIS REPORT

Table 1. Quantity of Bank and Sediment Material Excavated to Date

Table 2. Quantity of Material Transferred to OPCAs to Date

Table 3. Quantity of non-TSCA Material Transferred to Seneca Meadows Landfill, Waterloo, N.Y. during the month of March

Table 4. Daily Water Column Turbidity Monitoring Results

Table 5. Summary of Turbidity, PCB, and TSS Water Column Monitoring Results

Table 6. PCB Air Sampling Results

Table 7. Equipment Confirmatory Wipe Sample Results

Table 7a. 54-inch HDPE Pipe Wipe Sample Results

Table 8. In-situ Riverbank Characterization Sampling Analytical Results

Table 8a. Additional In-situ Riverbank Characterization Sampling Analytical Results

Figure 1- 1.5 Mile Removal Action Site Map (2 maps)

Photo documentation

Table 1 - Quantity of Bank and Sediment Material Excavated to Date
March 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in cubic yards)

		Approximate Quantity of Bank and Sediment Material Excavated to Date			
Date	**Location**	**non-TSCA**	**TSCA**	**NAPL impacted**	**Total**
09/26/02 to 10/02/02	Cell 1A	101	0	53	154
10/02/02 to 10/04/02	Cell 1B	60	0	110	170
10/18/02 to 10/29/02	Cell 2	874	175	0	1,049
11/11/02 to 11/15/02	Cell 3	183	0	200	383
11/18/02 to 11/25/02	Cell 4	2,283	198	0	2,481
12/03/02 to 12/10/02	Cell 5	1,629	369	0	1,998
01/07/03 to 01/15/03	Cell 6	832	658	0	1,490
01/10/03 to 01/29/03	Cell 6A	2,611	68	0	2,679
02/03/03 to 02/10/03	Cell 7&7A	1,114	636	0	1,750
02/20/03 to 02/24/03	Cell 5A	899	0	0	899
02/25/03 to 03/07/03	Cell 8&8A	1,245	90	0	1,335
03/14/03 to 03/18/03	Cell 9	603	307	0	910
03/27/03 to 04/07/03	Cell 10&10A	1,730	133	0	1,863
04/14/03 to 04/16/03	Cell 12	668	1,354	0	2,022
04/30/03 to 05/09/03	Cell 11	1,713	341	10	2,064
05/27/03 to 06/12/03	Cell 11A	957	166	462	1,585
06/25/03 to 07/29/03	Cell 12A	1,656	805	656	3,117
09/04/03 to 10/22/03	Cell 13	3,580	298	1,129	5,007
01/08/04 to 03/24/04	Cell 14&15	4,462	288	257	5,007
05/25/04 to 07/28/04	Cell 16&17	4,409	822	3,191	8,422
07/30/04 to 09/17/04	Cell 18&19	3,741	65	685	4,491
09/28/04 to 10/25/04	Cell 20	948	591	196	1,735
09/28/04 to 10/25/04	Cell 21	525	569	0	1,094
09/28/04 to 10/25/04	Cell 22	1,170	686	0	1,856
11/04/04 to 12/01/04	Cell 23	1,725	189	0	1,914
11/04/04 to 12/02/05	Cell 24	1,610	247	0	1,857
	Total	**41,328**	**9,055**	**6,949**	**57,332**

Note:
All quantities determined by pre- and post- excavation surveying.

Table 2 - Quantity of Material Transferred to OPCAs to Date
March 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in cubic yards)

		Approximate Quantity Transported to OPCAs	
Date	**Location**	**Hill 78 (non-TSCA)**	**Bldg. 71 (TSCA)**
Site Preparation Activities			
09/11/02	Building 65 Stockpile Management Area	225	
Bank Soil and Sediment			
12/05/02 to 12/19/02	Stockpile Management Area/Excavation Cells	4,718 (1)	910 (1)
02/11/03 to 02/28/03	Stockpile Management Area/Excavation Cells	5,137 (2)	539 (2)
03/03/03 to 03/14/03	Stockpile Management Area/Excavation Cells	1,749 (2)	1,353 (2)
04/07/03 to 04/18/03	Stockpile Management Area/Excavation Cells	2,710 (3)	1,698 (3)
04/07/03 to 04/18/03	Stockpile Management Area/Cleanup Material	370 (3)	40 (3)
05/12/03 to 05/14/03	Stockpile Management Area/Excavation Cells	1,826 (3)	0
05/12/03 to 05/14/03	Stockpile Management Area/Cleanup Material	220 (3)	0
06/11/03 to 06/12/03	Stockpile Management Area/Excavation Cells	0	704 (3)
06/16/03 to 06/17/03	Stockpile Management Area/Excavation Cells	712 (3)	0
06/16/03 to 06/17/03	Stockpile Management Area/Cleanup Material	146 (3)	0
07/07/03 to 07/11/03	Stockpile Management Area/Excavation Cells	1,188 (3)	748 (3)
09/15/03 to 09/30/03	Stockpile Management Area/Excavation Cells	2,090 (3)	308 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Excavation Cells	1,623 (3)	33 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Cleanup Material	181 (3)	0
11/18/03	Demolition Debris from Parcels I8-10-2 and I8-10-3	200 (4)	0
1/12/04	Stockpile Management Area/Excavation Cells	77 (3)	0
04/28/04 to 4/30/04	Stockpile Management Area	0	825 (3)
05/12/04 to 05/27/04	Stockpile Management Area/Excavation Cells/Outfall Repair on Parcel I8-23-6	1,518 (3)	484 (3)
06/03/04 to 06/22/04	Stockpile Management Area	0	528 (3)
07/06/04 to 07/16/05	Stockpile Management Area	396 (3)	836 (3)
08/11/04 to 08/31/04	Stockpile Management Area	1,045 (3)	0
09/28/04 to 09/30/04	Stockpile Management Area	1,375 (3)	0
10/01/04 to 10/14/04	Stockpile Management Area	352 (3)	1,958 (3)
11/01/04 to 11/15/04	Stockpile Management Area	363 (3)	1,342 (3)
12/02/04 to 12/14/04	Stockpile Management Area	176 (3)	847 (3)
	Project Totals	**28,238**	**13,153**

Pursuant to the Consent Decree, EPA is allowed to dispose of up to 50,000cy of material into GE OPCAs. Pursuant to August 2004 agreement between EPA and GE, EPA is allowed to dispose an additional 750cy of material into the GE OPCAs to account for a portion of the volume of material generated as part of the removal of the gabion baskets and reno mattresses along Deming Street.

Notes:

All quantities are in compacted or “in-place” cubic yards.

(1) Estimated at 14cy per truck, loaded with excavator.
(2) Estimated at 11cy per truck due to loading out frozen material.
(3) Estimated at 11cy per truck, loaded with front end loader.
(4) Estimated at 8cy per truck

Table 3 - Quantity of non-TSCA Material Transported to Seneca Meadows Landfill, Waterloo, N.Y.
During the Month of March
March 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in tons)

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
03/22/05	0140SM	WTS Madutank, Building 68	30.74
03/22/05	0141SM	WTS Madutank, Building 68	26.41
03/22/05	0142SM	WTS Madutank, Building 68	25.24
03/22/05	0143SM	WTS Madutank, Building 68	25.98
03/22/05	0144SM	WTS Madutank, Building 68	28.07
03/22/05	0145SM	WTS Madutank, Building 68	27.02
03/22/05	0146SM	WTS Madutank, Building 68	27.11
03/22/05	0147SM	WTS Madutank, Building 68	31.29
03/22/05	0148SM	WTS Madutank, Building 68	25.64
03/22/05	0149SM	WTS Madutank, Building 68	28.69
03/22/05	0150SM	WTS Madutank, Building 68	31.75
03/23/05	0151SM	WTS Madutank, Building 68	30.74
03/23/05	0152SM	WTS Madutank, Building 68	22.31
		Total of Material Disposed	**360.99**

(1) Net weights established at the disposal facility

Table 4 - Daily Water Column Turbidity Monitoring Results
March 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Date	Flow at Coltsville (cfs)	Location	Turbidity (ntu)			Temperature Average (^{o}C)
			Average	High	Low	
3/19/2005	71	Downstream of Lyman Street Bridge	3.8	4.6	3.0	3.22
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
3/20/2005	82	Downstream of Lyman Street Bridge	3.0	3.5	2.7	1.96
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
3/21/2005	74	Downstream of Lyman Street Bridge	3.5	6.2	2.5	3.43
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
3/22/2005	83	Downstream of Lyman Street Bridge	3.5	4.3	3.1	3.8
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
3/23/2005	94	Downstream of Lyman Street Bridge	3.5	4.0	3.0	2.9
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
3/24/2005	90	Downstream of Lyman Street Bridge	4.3	9.4	3.0	2.7
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
3/25/2005	83	Downstream of Lyman Street Bridge	3.2	4.5	2.4	3.15
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
3/26/2005	83	Downstream of Lyman Street Bridge	8.2	9.7	7.7	3.87
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
3/27/2005	85	Downstream of Lyman Street Bridge	6.6	7.4	5.2	4.0
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
3/28/2005	109	Downstream of Lyman Street Bridge	23.5	62.9	6.3	3.1
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
3/29/2005	915	Downstream of Lyman Street Bridge	256.4	788.4	81.4	0.84
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
3/30/2005	712	Downstream of Lyman Street Bridge	460.7	1024.7	246.5	1.39
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
3/31/2005	546	Downstream of Lyman Street Bridge	333.8	639.2	214.7	1.47
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A

Notes:
Turbidity Action Level - Average Downstream (Pomeroy Avenue)≥ Average Downstream (Lyman Street) + 50 ntu
cfs - Cubic feet per second
ntu - nephelometric turbidity units
Measurements collected using YSI 6200 Data Acquisition System using 600 OMS sonde with a 6136 Turbidity Probe
Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.
Negative values are attributed to +/- 2ntu accuracy of the turbidity probe.
N/A - Turbidity data logger failed upon re-installation of the turbidity probe. Temperature and turbidity data were not collected.

Table 4 - Summary of Turbidity, PCB, and TSS Water Column Monitoring Results
March 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Location	Date	Estimated Flow (cfs)	Turbidity (ntu)			Water Temp. (^{o}C)	Calculated Flow Beginning (cfs)	Calculated Flow End (cfs)	Sample ID	Total PCB Concentration (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
			High	Low	Daily Average							
Upstream of Newell St. Bridge	03/23/05	94	NS	NS	NS	NS	NS	NS	H0-SW000054-0-5M23	NS	NS	NS
Downstream of Lyman St. Bridge	03/23/05	94	4.0	3.0	3.5	2.90	NS	NS	H2-SW000055-0-5M23	ND(0.013)	ND(0.013)	**2.4**
Downstream of Pomeroy Ave. Bridge	03/23/05	94	N/A	N/A	N/A	*	*	*	H2-SW000052-0-5M23	**0.072**	ND(0.013)	**3.1**
Downstream of Pomeroy Ave. Bridge (duplicate)	03/23/05	94	N/A	N/A	N/A	*	*	*	H2-SW000052-1-5M23	**0.038**	NS	NS

Notes:
PCB Action Level - Downstream (Pomeroy Avenue) $\geq$ Downstream (Lyman Street) + 5 ug/L
ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.
cfs - Cubic feet per second
ntu - nephelometric turbidity units
NS - Not Sampled
Temperature measured YSI 600 oms system.
Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.
Water column samples were collected as 4 grab composite samples.
Two flow values calculated, one at the beginning of the sampling event and one at the end of sampling event.
N/A - Turbidity data logger failed upon re-installation of the turbidity probe. Temperature and turbidity data for the day of sampling were not collected.
* - Pressure transducer used to determine water level at Pomeroy malfunctioned. Attempts are being made to recover existing data. Stage was not measured and therefore the flow can not be calculated. The pressure transducer also measures temperature.

Table 6 - PCB Air Sampling Results
March 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in μg/m^3)

Sample ID	Location (1)	Date Collected	Aroclor 1016, & 1242	Aroclor 1221, 1232, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-AR000007-0-5M31	background	31-Mar-05	NR	NR	NR	NR	NR
H2-AR000042-0-5M31	AR000042	31-Mar-05	NR	NR	NR	NR	NR
H2-AR000043-0-5M31	AR000043	31-Mar-05	NR	NR	NR	NR	NR
H2-AR000045-0-5M31	AR000045	31-Mar-05	NR	NR	NR	NR	NR
H2-AR000044-0-5M31	AR000044	31-Mar-05	NR	NR	NR	NR	NR
H2-AR000044-1-5M31	AR000044	31-Mar-05	NR	NR	NR	NR	NR

Notes:
Notification Level: 0.05μg/m^3
Action Level: 0.1μg/m^3
1- See Figure 1 for locations
NR - Not yet reported

Table 7 - Equipment Confirmatory Wipe Samples
March 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in μg/100 cm^2)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-XI000209-0-5M23	23-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000210-0-5M23	23-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000211-0-5M24	24-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000212-0-5M24	24-Mar-05	ND(0.25)	ND(0.25)	**0.31**	**0.31**

Notes:
PCB Action Level - 10.0 μg/100 cm^2
ND(0.25) - Analyte was not detected. The value in parentheses is the associated detection limit.

Table 7a - 54-inch HDPE Pipe Wipe Samples
March 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in μg/100 cm^2)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-XI000193-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	**0.25**	**0.25**
H2-XI000194-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000195-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000196-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000197-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	**0.29**	**0.29**
H2-XI000198-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000199-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000200-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	**14.0**	**14.0**
H2-XI000201-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	**25.0**	**25.0**
H2-XI000202-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000203-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000204-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000205-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000206-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000207-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000208-0-5M15	15-Mar-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)

Notes:
ND(0.25) - Analyte was not detected. The value in parentheses is the associated detection limit.

Table 8 - In-situ Riverbank Characterization Sampling Analytical Results for Phase 3B
March 2005 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per million, ppm)

Sample ID	H2-OT000227-0-5M17	H2-OT000228-0-5M16	H2-OT000229-0-5M16	H2-OT000230-0-5M16	H2-OT000231-0-5M16	H2-OT000232-0-5M16	
Sample type	insitu characterization sampling	insitu characterization sampling	insitu characterization sampling (1)	insitu characterization sampling (2)	insitu characterization sampling	insitu characterization sampling (3)	
Date Collected	03/17/2005	03/16/2005	03/16/2005	03/16/2005	03/16/2005	03/16/2005	
Analyte							Regulatory Limits *
PCBS							
AROCLOR-1254 (mg/kg)	**0.62 J**	**2.7**	**12.0**	ND	**0.78**	ND	
AROCLOR-1260 (mg/kg)	**3.3**	**12.0**	**140.0**	**67.0**	**4.6**	**49.0**	
PCB, TOTAL (mg/kg)	**3.9**	**15.0**	**150.0**	**67.0**	**5.4**	**49.0**	**50.0**
TCLP METALS							
BARIUM, TCLP LEACHATE (mg/l)	**0.252**	---	---	**0.364**	---	---	**100.0**
CADMIUM, TCLP LEACHATE (mg/l)	**0.0148**	---	---	**0.0029**	---	---	**1.0**
CHROMIUM, TCLP LEACHATE (mg/l)	**0.0022**	---	---	**0.0013**	---	---	**5.0**
LEAD, TCLP (mg/l)	**0.0307**	---	---	**0.0107**	---	---	**5.0**
SELENIUM, TCLP LEACHATE (mg/l)	**0.0126**	---	---	**0.0068**	---	---	**1.0**
INORGANICS							
PAINT FILTER LIQUIDS (ml)	ABSENT	---	---	ABSENT	---	---	
PERCENT SOLIDS (%)	**77.6**	**79.1**	**76.3**	**79.7**	**80.8**	**76.1**	

Notes:

(1) - Composite sample area was sub divided into 2 areas and re-sampled for PCBs only. See sample Ids: H2-OT000239-0-5M25, H2-OT000240-0-5M25.
(2) - Composite sample area was sub divided into 2 areas and re-sampled for PCBs only. See sample Ids: H2-OT000241-0-5M24, H2-OT000242-0-5M24.
(3) - Composite sample area was sub divided into 2 areas and re-sampled for PCBs only. See sample Ids: H2-OT000243-0-5M25, H2-OT000244-0-5M25.

* - TSCA Limit is 50ppm Total PCBs; TCLP Limits are used to determine if material is hazardous waste under federal regulations.

Only detected constituents are summarized

J - Indicates an estimated value

ND - not detected

Table 8 - In-situ Riverbank Characterization Sampling Analytical Results for Phase 3B
March 2005 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per million, ppm)

Sample ID	H2-OT000233-0-5M17	H2-OT000234-0-5M17	H2-OT000235-0-5M17	H2-OT000236-0-5M17	H2-OT000237-0-5M17	
Sample type	insitu characterization sampling (4)	insitu characterization sampling	insitu characterization sampling	insitu characterization sampling	insitu characterization sampling	
Date Collected	03/17/2005	03/17/2005	03/17/2005	03/17/2005	03/17/2005	
Analyte						Regulatory Limits *
PCBS						
AROCLOR-1254 (mg/kg)	ND	ND	**6.0**	---	---	
AROCLOR-1260 (mg/kg)	**89.0**	**2.2**	**18.0**	---	---	
PCB, TOTAL (mg/kg)	**89.0**	**2.2**	**24.0**	---	---	**50.0**
TCLP METALS						
BARIUM, TCLP LEACHATE (mg/l)	**1.24**	---	**0.537**	**0.195**	**0.183**	**100.0**
CADMIUM, TCLP LEACHATE (mg/l)	**0.0017**	---	**0.0073**	ND	**0.0012**	**1.0**
CHROMIUM, TCLP LEACHATE (mg/l)	ND	---	ND	ND	**0.0016**	**5.0**
LEAD, TCLP (mg/l)	**0.0223**	---	**0.515**	ND	**0.0751**	**5.0**
SELENIUM, TCLP LEACHATE (mg/l)	**0.0066**	---	**0.011**	**0.0062**	ND	**1.0**
INORGANICS						
PAINT FILTER LIQUIDS (ml)	ABSENT	---	ABSENT	---	---	
PERCENT SOLIDS (%)	**72.6**	**80.9**	**83.6**	---	---	

(4) - Composite sample area was sub divided into 2 areas and re-sampled for PCBs only. See sample Ids: H2-OT000245-0-5M24, H2-OT000246-0-5M24.
* - TSCA Limit is 50ppm Total PCBs; TCLP Limits are used to determine if material is hazardous waste under federal regulations.
Only detected constituents are summarized
J - Indicates an estimated value
ND - not detected

Table 8a - Addititonal In-situ Riverbank Characterization Sampling Analytical Results for Phase 3B
March 2005 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per million, ppm)

Field Sample ID	H2-OT000239-0-5M25	H2-OT000240-0-5M25	H2-OT000241-0-5M25	H2-OT000242-0-5M25
Sample type	insitu characterization sampling (1)	insitu characterization sampling (1)	insitu characterization sampling (1)	insitu characterization sampling
Date Collected	03/25/2005	03/25/2005	03/24/2005	03/24/2005
Analyte				
PCBS				
AROCLOR-1254	**16.0**	**21.0**	ND	**3.0 J**
AROCLOR-1260	**140.0**	**130.0**	**330.0**	**19.0**
PCB, TOTAL	**160.0**	**150.0**	**330.0**	**22.0**

Notes:
(1) Material contained within this sample area is re- classified as TSCA material. Material to be transported to GE's Building 71 OPCA.
Only detected constituents are summarized
J - Indicates an estimated value
ND - not detected

Table 8a - Addititonal In-situ Riverbank Characterization Sampling Analytical Results for Phase 3B
March 2005 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per million, ppm)

Field Sample ID	H2-OT000243-0-5M25	H2-OT000244-0-5M25	H2-OT000245-0-5M25	H2-OT000246-0-5M25
Sample type	insitu characterization sampling	insitu characterization sampling	insitu characterization sampling (1)	insitu characterization sampling
Date Collected	03/25/2005	03/25/2005	03/25/2005	03/25/2005
Analyte				
PCBS				
AROCLOR-1254	**2.2**	**9.6**	ND	**3.4**
AROCLOR-1260	**22.0**	**26.0**	**140.0**	**21.0**
PCB, TOTAL	**24.0**	**36.0**	**140.0**	**24.0**

Notes:
(1) Material contained within this sample area is re- classified as TSCA material. Material to be transported to GE's Building 71 OPCA.
Only detected constituents are summarized
J - Indicates an estimated value
ND - not detected

Photograph 1 – Tree Clearing Activities for the Staging Area at Parcels I7-3-5, I7-3-6, and I7-3-7

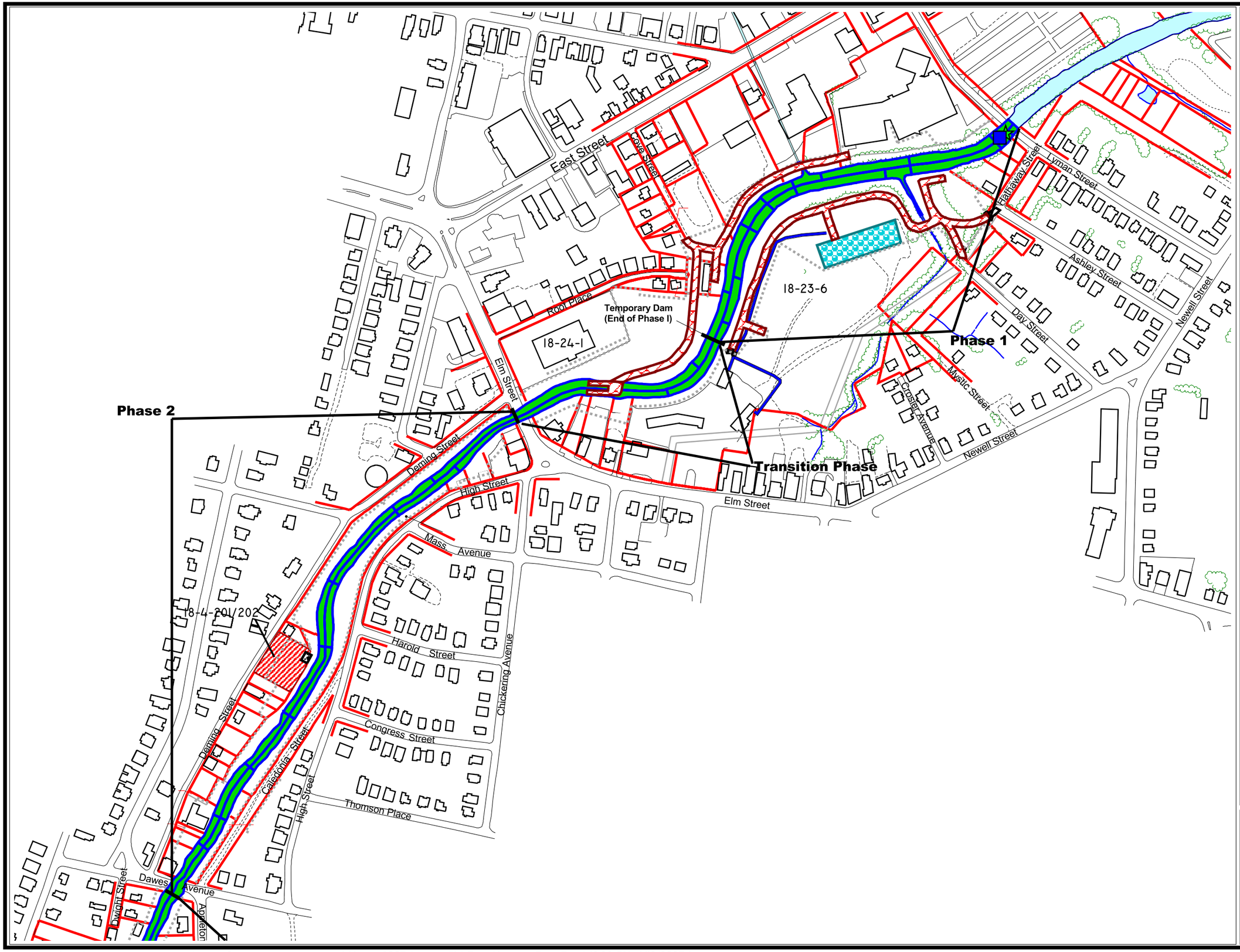
Photograph 2 – Construction of the Staging Area at Parcels I7-3-5, I7-3-6, and I7-3-7

Photograph 3 – Installation of the Centerline Sheetpile Wall for Cells 25 and 26

Photograph 4 – Installation of the Centerline Sheetpile Wall for Cells 25 and 26

Photograph 5 – Construction of the Water Treatment System Modutanks at Fred Garner Park

Photograph 6 – Welding of the 8-inch Force Main for the Water Treatment System



LEGEND

- Roads
- Surface Water
- Water Treatment Plant*
- Access Roads
- Asphalt Access Road
- Property Lines
- Loadout Area
- Deming Street Staging/Loadout Area
- Fence Line
- Work Completed
- Turbidity Monitoring Locations
- Water Monitoring Locations
- Buried Electric/Telephone Line*

*Note: As-built features were located using a real time GPS unit

N

Scale in Feet

325 0 325

WESTON SOLUTIONS

Figure 1
1.5 Mile Removal Action
Site Map (Map 1 of 2)
March 2005 Monthly Report

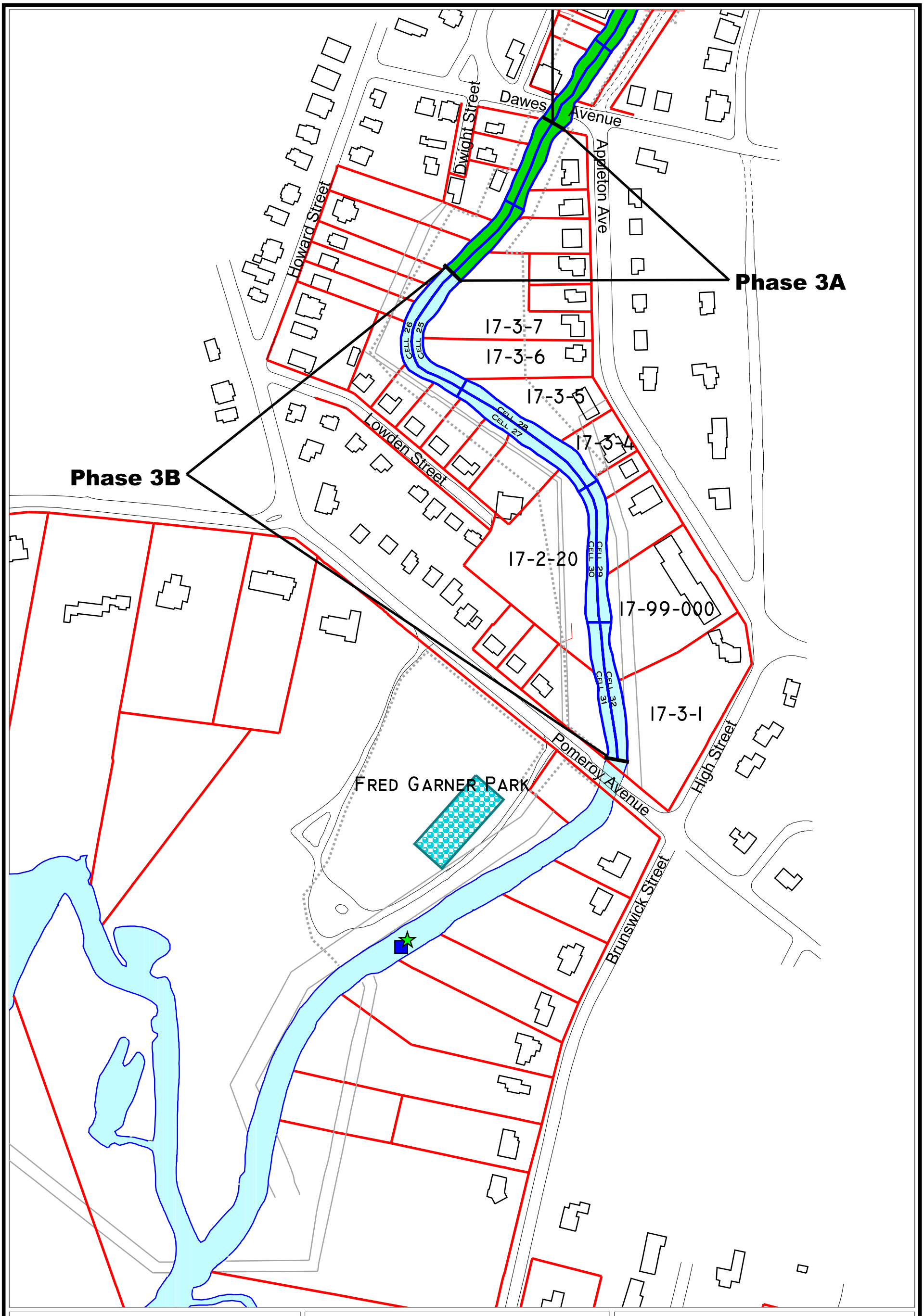


Figure 1
1.5 Mile Removal Action
Site Map (Map 2 of 2)
March 2005 Monthly Report

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